

WHAT IS CLAIMED IS:

1. A composition for an antistat layer comprising:
 - a chlorinated polyolefin;
 - a conductive agent; and
 - a solvent.
2. The composition of claim 1 further comprising a colloidal sol.
3. The composition of claim 1 further comprising a binder that is different from the chlorinated polyolefin.
4. The composition of claim 3 wherein the binder is selected from the group consisting of a water soluble polymer, a hydrophilic colloid, a water insoluble polymer, a water insoluble latex, a water insoluble dispersion, and mixtures thereof.
5. The composition of claim 3 wherein the binder is selected from the group consisting of polymers and interpolymers prepared from ethylenically unsaturated monomers.
6. The composition of claim 5 wherein the ethylenically unsaturated monomer is selected from the group consisting of styrene, styrene derivatives, acrylic acid or methacrylic acid and their derivatives, olefins, (meth)acrylonitriles, itaconic acid and its derivatives, maleic acid and its derivatives, vinyl halides and vinylidene halides.
7. The composition of claim 3 wherein the binder is selected from the group consisting of aqueous dispersions of polyurethanes and polyesters and primary amine addition salt interpolymers.

8. The composition of claim 7 wherein the primary amine addition salt interpolymer is an interpolymer that contains a polymerized vinyl monomer having a primary amine addition salt component.

9. The composition of claim 1 wherein the conductive agent is an ionic conductor.

10. The composition of claim 9 wherein the ionic conductor is selected from the group consisting of alkali metal salts of polyacids, mixed polymers thereof, and cellulose derivatives.

11. The composition of claim 9 wherein the ionic conductor is selected from the group consisting of polymerized alkylene oxides and alkali metal salts.

12. The composition of claim 1 wherein the conductive agent is an electronic conductor.

13. The composition of claim 12 wherein the electronic conductor comprises metal-containing particles.

14. The composition of claim 13 wherein the conductive inorganic oxide comprises a dopant.

15. The composition of claim 13 wherein the conductive inorganic oxide comprises oxygen vacancies.

16. The composition of claim 13 wherein the conductive inorganic oxides are selected from the group consisting of tin oxide, titania, alumina, vanadium oxide, and mixtures thereof.

17. The composition of claim 16 wherein the tin oxide is acicular tin oxide.

18. The composition of claim 13 wherein the conductive metal antimonates are selected from the group consisting of zinc antimonates and indium antimonates.

19. The composition of claim 12 wherein the electronic conductor is an electronically conductive polymer selected from the group consisting of substituted or unsubstituted aniline-containing polymers, substituted or unsubstituted thiophene-containing polymers, substituted or unsubstituted pyrrole-containing polymers and derivatives thereof.

20. The composition of claim 19 wherein the electronically conductive polymer is selected from the group consisting of poly(3,4-ethylene dioxypyrrole styrene sulfonate), poly(3,4-ethylene dioxythiophene styrene sulfonate) and polypyrrole styrene sulfonate.

21. The composition of claim 2 wherein the colloidal sol comprises metal oxides selected from the group consisting of tin oxide, titania, antimony oxide, zirconia, ceria, yttria, zirconium silicate, silica, alumina, aluminum modified silica, and mixtures thereof.

22. The composition of claim 1 wherein the chlorinated polyolefin comprises 15-35 weight % of chlorine.

23. The composition of claim 1 wherein the chlorinated polyolefin has a molecular weight between 9000 and 150,000.

24. The composition of claim 1 wherein the chlorinated polyolefin is a modified chlorinated polyolefin.

25. The composition of claim 24 wherein the modified chlorinated polyolefin is modified by grafting of an imide or by grafting of a monomer.

26. The composition of claim 25 wherein the monomer comprises carboxylic acid group or carboxylic anhydride group.

27. The composition of claim 1 wherein the chlorinated polyolefin comprises a homopolymer or interpolymer of propylene.

28. The composition of claim 1 wherein the solvent comprises water.

29. The composition of claim 1 wherein the chlorinated polyolefin comprises at least 3 weight % of the solid content of the composition.

30. The composition of claim 10 wherein said alkali metal salts of polyacids comprises 2-30 weight % of the solid content of the composition of claim 1.

31. The composition of claim 11 wherein the combination of polymerized alkylene oxide and alkali metal salt comprises 5-15 weight % of the solid content of the composition of claim 1.

32. The composition of claim 11 wherein the polymerized alkylene oxide and alkali metal salt are in a weight ratio between 20:80 and 80:20.

33. The composition of claim 13 wherein the conductive inorganic oxides comprises 20-80 volume % of the solid content of the composition of claim 1.

34. The composition of claim 17 wherein the acicular tin oxide comprises 5-50 volume % of the solid content of the composition of claim 1.

35. The composition of claim 18 wherein the conductive metal antimonate comprises 20-80 volume % of the solid content of the composition of claim 1.

36. The composition of claim 19 wherein the electronically conductive polymer comprises 2-30 weight % of the solid content of the composition of claim 1.

37. The composition of claim 22 wherein the metal oxides of the colloidal sol comprises at least 5 weight % of the solid content of the composition.

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